

Application No. 10/635,864
Docket No. 1999U026.US-CON3
Reply to Office Action Dated September 15, 2005

Amendments to the Specification

(Previously presented)

TITLE:

BIMODAL HIGH DENSITY POLYETHYLENE

(Previously presented)

ABSTRACT:

The present invention is directed to a bimodal polyethylene comprising ethylene derived units and units derived from at least one of a C₄ to C₁₂ olefin; wherein the polyethylene has a density of from 0.940 to 0.970 g/cm³; an I₂₁/I₂ of 80 or more; a residual Group 4 metal content of 2.0 ppm or less; a Mw/Mn of from 20 to 60; and wherein the polyethylene comprises a high molecular weight component and a low molecular weight component, the high molecular weight component present from 40 to 60 weight percent based on the total polyethylene, and wherein the bimodal polyethylene has a weight average molecular weight Mw of 180,000 a.m.u. or more.